

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 June 2006 (22.06.2006)

PCT

(10) International Publication Number
WO 2006/063444 A1

(51) International Patent Classification:

A23K 1/14 (2006.01) A23L 3/16 (2006.01)
A23P 1/12 (2006.01) A23L 1/29 (2006.01)

(21) International Application Number:

PCT/CA2005/001892

(22) International Filing Date:

14 December 2005 (14.12.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/635,953 15 December 2004 (15.12.2004) US
60/665,846 29 March 2005 (29.03.2005) US

(71) Applicant (for all designated States except US): **O & T FARMS** [CA/CA]; P.O. Box 1812, Regina, Saskatchewan S4P 3C6 (CA).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **WIENS, Tim** [CA/CA]; P.O. Box 1812, Regina, Saskatchewan S4P 3C6 (CA).

(74) Agent: **ADE & COMPANY**; 1700-360 Main St., Winnipeg, Manitoba R3C 3Z3 (CA).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(81) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PREPARATION AND USE OF HIGH OMEGA-3 AND OMEGA-6 FEED

(57) Abstract: A method of preparing an animal feed component by mixing at least one ground pulse product with whole or intact oilseeds is herein described. The mixture is subjected to heat of between 230F to 350F and pressure of between 200 to 400 psi during an extrusion process. Also described is the use of the feed component in the production of animal products having increased levels of omega-3 and omega-6 fatty acids.



WO 2006/063444 A1